

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
11 January 2001 (11.01.2001)

PCT

(10) International Publication Number
WO 01/03112 A1

(51) International Patent Classification⁷: G10L 15/00,
11/00, G09B 19/04, 19/06

(74) Agent: PIZZEYS PATENT & TRADEMARK ATTOR-
NEYS; P.O. Box 291, Woden, ACT 2606 (AU).

(21) International Application Number: PCT/AU00/00817

(22) International Filing Date: 6 July 2000 (06.07.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PQ 1459 ✓ 6 July 1999 (06.07.1999) AU
PQ 3549 ✓ 19 October 1999 (19.10.1999) AU

(71) Applicant and

(72) Inventor: QUEST, James [AU/AU]; 1/134 Bandjalong
Crescent, Aranda, ACT 2614 (AU).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,
DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

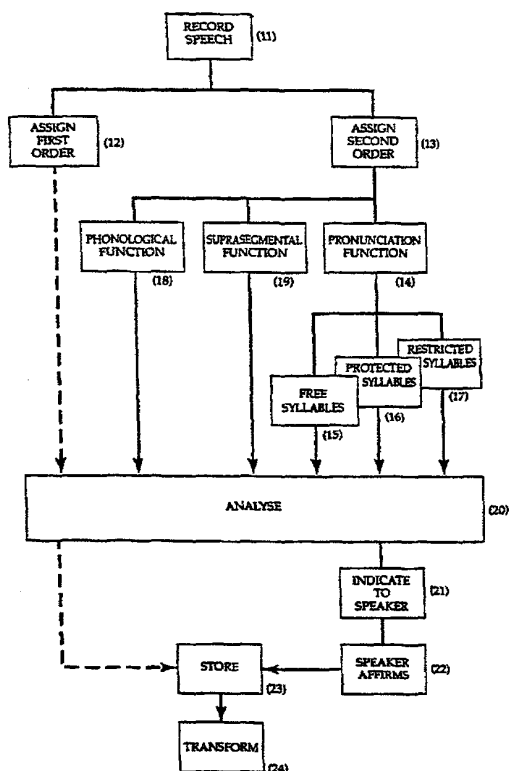
(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG,
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— With international search report.

[Continued on next page]

(54) Title: SPEECH RECOGNITION SYSTEM AND METHOD



(57) Abstract: A method is disclosed of recognising Spoken English (SE) consisting of words having syllables and phonemes, in which the method includes assigning to SE words a first order of signification (12) which includes standardised indicators having agreed meanings independent of the speaker. It also includes designating the syllables in words as being protected, restricted or free syllables which assigns a potential variability to each syllable that may be obtained in connected speech. A second order of signification is also assigned to SE words (13), this second order having variable indicators which have meanings which are generated by the speaker and are dependent on the context of the word in the flow of connected speech.

WO 01/03112 A1